



---

Water-Data Report 2008

**02146348 COFFEY CREEK NEAR CHARLOTTE, NC**

Santee Basin  
Lower Catawba Subbasin

LOCATION.--Lat 35°08'45", long 80°55'37" referenced to North American Datum of 1983, Mecklenburg County, NC, Hydrologic Unit 03050103, on left bank at culvert on North Carolina Highway 49, 1.2 mi upstream from mouth, and 7.5 mi southwest of Charlotte.

DRAINAGE AREA.--9.14 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 565.72 ft above North American Vertical Datum of 1988. Radio telemetry at station.

REMARKS.--No estimated daily discharges. Records poor. Maximum discharge for period of record and current water year from rating curve extended above 950 ft<sup>3</sup>/s. Minimum discharge for period of record also occurred July 13, 2002. Minimum discharge for current water year also occurred August 10, 11.

## Water-Data Report 2008

**02146348 COFFEY CREEK NEAR CHARLOTTE, NC—Continued**

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	0.13	0.92	0.59	3.8	94	1.7	5.5	2.7	0.68	0.77	1.7	10
<b>2</b>	0.19	0.80	0.51	2.8	9.3	1.5	3.4	1.9	1.7	0.48	0.28	2.7
<b>3</b>	0.13	0.72	0.61	2.5	4.1	1.4	8.2	1.6	0.57	0.36	0.17	2.3
<b>4</b>	4.8	0.66	0.56	2.1	2.8	77	9.4	1.4	0.37	18	0.13	1.9
<b>5</b>	3.4	0.61	0.69	1.8	2.1	49	60	1.3	0.29	11	0.13	1.7
<b>6</b>	0.68	0.65	0.72	1.6	2.0	6.8	13	1.2	0.26	2.8	0.13	1.6
<b>7</b>	0.29	0.70	0.71	1.4	2.2	33	5.9	1.0	0.23	1.0	0.12	1.4
<b>8</b>	0.34	0.66	0.66	1.3	1.7	12	4.2	1.1	0.22	41	0.09	1.5
<b>9</b>	0.33	0.66	0.59	1.3	1.5	4.1	3.2	1.6	0.23	17	0.07	1.5
<b>10</b>	0.26	0.73	0.51	6.1	1.4	4.2	2.7	1.0	0.22	6.4	0.08	41
<b>11</b>	0.26	0.70	0.49	8.2	1.3	3.1	2.5	5.9	11	1.9	0.07	24
<b>12</b>	0.23	0.78	0.54	2.6	1.5	2.4	7.5	2.0	8.2	0.89	0.07	4.5
<b>13</b>	0.27	0.79	0.55	1.6	10	2.1	3.4	0.98	1.2	0.57	2.8	2.9
<b>14</b>	0.28	0.72	0.55	1.3	6.8	2.0	2.6	0.86	0.85	0.88	1.4	1.8
<b>15</b>	0.26	4.8	12	1.2	2.1	96	2.4	0.86	0.70	0.39	1.1	1.5
<b>16</b>	0.26	2.0	56	1.1	1.6	35	2.0	7.9	0.53	0.29	5.8	25
<b>17</b>	0.20	0.76	2.9	53	1.5	7.7	1.8	1.3	0.42	0.23	18	7.4
<b>18</b>	0.31	0.74	2.0	8.7	4.4	5.1	1.9	1.0	0.35	0.17	3.5	2.7
<b>19</b>	3.0	0.72	1.4	11	1.6	34	1.6	1.8	0.32	0.16	0.88	1.8
<b>20</b>	1.2	0.77	1.0	7.8	1.3	21	1.7	1.1	0.67	0.16	0.37	1.5
<b>21</b>	0.60	0.79	7.3	2.7	1.6	6.4	1.5	2.4	0.53	0.16	0.19	1.3
<b>22</b>	0.48	2.2	2.2	2.5	11	4.2	1.5	0.91	0.61	0.33	0.15	1.3
<b>23</b>	0.62	1.3	7.6	4.0	2.8	3.2	1.5	0.81	18	8.7	0.11	1.2
<b>24</b>	4.2	0.94	3.4	2.1	1.7	2.7	1.5	0.74	1.7	0.92	0.08	1.1
<b>25</b>	19	1.0	1.4	1.8	1.5	2.4	1.3	0.88	0.46	0.40	2.1	1.1
<b>26</b>	36	1.9	15	1.6	23	2.2	2.7	0.72	0.25	0.29	317	42
<b>27</b>	7.6	2.2	3.0	1.6	5.0	2.1	19	0.70	39	0.26	517	60
<b>28</b>	2.6	1.2	17	1.6	2.4	3.1	49	21	1.4	0.20	24	6.1
<b>29</b>	1.7	0.90	30	1.6	2.0	4.7	10	5.1	0.94	2.1	7.5	5.7
<b>30</b>	1.5	0.66	70	2.7	---	3.8	3.6	1.3	1.5	0.32	4.2	2.4
<b>31</b>	1.1	---	21	1.9	---	3.8	---	0.98	---	0.59	3.3	---
<b>Total</b>	92.22	32.98	261.48	145.3	204.2	437.7	234.5	74.04	93.40	118.72	912.52	260.9
<b>Mean</b>	2.97	1.10	8.43	4.69	7.04	14.1	7.82	2.39	3.11	3.83	29.4	8.70
<b>Max</b>	36	4.8	70	53	94	96	60	21	39	41	517	60
<b>Min</b>	0.13	0.61	0.49	1.1	1.3	1.4	1.3	0.70	0.22	0.16	0.07	1.1
<b>Cfsm</b>	0.33	0.12	0.92	0.51	0.77	1.54	0.86	0.26	0.34	0.42	3.22	0.95
<b>In.</b>	0.38	0.13	1.06	0.59	0.83	1.78	0.95	0.30	0.38	0.48	3.71	1.06

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2008, BY WATER YEAR (WY)**

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	6.25	8.18	9.70	9.27	10.7	15.7	12.2	8.39	9.43	6.14	10.9	8.16
<b>Max</b>	15.0	38.3	23.8	21.0	24.9	35.5	45.7	51.6	27.9	12.9	30.8	19.6
(WY) (2000)	(2007)	(2003)	(2007)	(2007)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
<b>Min</b>	0.88	1.10	2.74	1.94	3.93	4.43	2.85	2.39	1.63	2.51	0.44	0.92
(WY)	(2001)	(2008)	(2001)	(2004)	(2002)	(2006)	(2002)	(2008)	(2002)	(1999)	(2001)	(2005)

**SUMMARY STATISTICS**

	<b>Calendar Year 2007</b>	<b>Water Year 2008</b>	<b>Water Years 1999 - 2008</b>	
<b>Annual total</b>	3,275.81	2,867.96		
<b>Annual mean</b>	8.97	7.84	9.58	
<b>Highest annual mean</b>			23.6	2003
<b>Lowest annual mean</b>			4.84	2002
<b>Highest daily mean</b>	421 Mar 2	517 Aug 27	626 May 22, 2003	
<b>Lowest daily mean</b>	0.05 Sep 13	0.07 Aug 9	0.05 Aug 28, 2001	
<b>Annual seven-day minimum</b>	0.10 Sep 7	0.09 Aug 6	0.09 Aug 23, 2001	
<b>Maximum peak flow</b>		a1,640 Aug 27	a1,640 Aug 27, 2008	
<b>Maximum peak stage</b>		12.11 Aug 27	12.11 Aug 27, 2008	
<b>Instantaneous low flow</b>		a0.05 Aug 9	a0.02 Sep 20, 2001	
<b>Annual runoff (cfsm)</b>	0.982	0.857	1.05	
<b>Annual runoff (inches)</b>	13.33	11.67	14.24	
<b>10 percent exceeds</b>	18	14	18	
<b>50 percent exceeds</b>	2.1	1.6	2.6	
<b>90 percent exceeds</b>	0.28	0.27	0.65	

<sup>a</sup>See Remarks.

